Eric E. Nunes

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Summary

Graduate computer science student seeking data science opportunities in Summer 2025. Skilled in software development and data science with aspirations to work as an applied scientist in an industry setting after obtaining a Master's degree.

- Programming Languages: Python, C++, Java, SQL, Scala, R, JavaScript, HTML, CSS, C#, TypeScript
- Python Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, NLTK, GenSim, PyTorch, TensorFlow
- Technologies: Apache Spark, Postgres, React.js, Node.js, Express.js, Git, Azure DevOps, LaTeX
- Languages: English (Fluent, U.S. Citizen), Portuguese (Advanced), Spanish (Intermediate)

Education

University of Massachusetts Amherst *Amherst, MA*
Master of Science in Computer Science *Expected May 2026*

- **Expected Coursework:** Algorithms in Data Science, Data Science & Decarbonization, Machine Learning

Texas A&M University *College Station, TX*
Bachelor of Science in Computer Science; Minors in Mathematics and Statistics *May 2024*

- **GPA:** 3.83, Magna Cum Laude
- **Selected Coursework:** Artificial Intelligence, Bayesian Statistics, Computer Security, Data Analytics in Cybersecurity, Data Science, Databases, Information Retrieval, Machine Learning, Software Engineering, Statistical Computing

Experience

Microsoft *Redmond, WA*
Software Engineering Intern *May 2024 - Aug 2024*

- Engineered a workflow for Windows Autopilot deployments extracting summary statistics on hundreds of thousands of entries per week, saving an estimated 500 hours among on-call Microsoft engineers per year.
- Led team discussions on privacy engineering and threat modeling reviews for an upcoming Intune feature.

Texas A&M University Department of Construction Science *College Station, TX*
Undergraduate Researcher *Feb 2024 - Aug 2024*

- Performing analysis of TxDOT Project Construction data on project delays under the supervision of Dr. Aryal Ashrant.
- Determined, using Python collaborative filtering methods, projects of similar scopes to forecast project delays.

Microsoft *Redmond, WA*
Software Engineering Intern *May 2023 - Aug 2023*

- Developed a pipeline for an updated setting recommendation system in collaboration with the machine learning team on Intune, increasing scope to over 10k settings with 16% reduction in user error.
- Implemented a setting recommendation feature as a domain-specific task for Microsoft Security Copilot, gaining expertise on prompt engineering and generative AI.

Texas A&M University Department of Computer Science and Engineering *College Station, TX*
Peer Teacher, Program Student Coordinator *Jan 2022 - May 2024*

- Tutored over 50 students in computer science courses per semester with a 95% approval rate.
- Uploaded weekly review sessions to YouTube, netting over 4,000 cumulative views in the first year and over 8,000 views since beginning the program, increasing a course's review viewership by 150% from a previous semester.
- Won the 2023 Peer Teaching Excellence Award, given to one peer teacher per year for outstanding achievement.

Projects

Twitter Spam Detection and Analysis [Python] *Oct 2023 - Dec 2023*

- Used NLP and tree-based methods to determine spam among Tweets through analysis on hashtag use.
- Devised an expanded model to detect content polluters with an accuracy of 95.84%.

Album of the Week Website [React, Node, JavaScript] *Dec 2022 - May 2024*

- Developed a website for a student organization to centralize club activities for a club with over 60 active members.
- Automated club tasks among members and officers, saving an estimated 120 hours among officers every year.
- Devised an album recommendation feature based on member ratings, increasing average member ratings by 30%.

American Airlines Bag Prediction [Python] *Nov 2022 - Apr 2023*

- Managed a partnership between Texas A&M's Data Science Club and American Airlines to predict number of checked-in bags for flights, helping reduce costs through improved resource allocation.
- Led a team of over 50 students, enabling novice students to gain hands-on experience in machine learning techniques.